

H-K Building 15
 Project Number: 0980193E
 Project: G. HEILEMAN BREWERY "E"
 Date Inspected: 03/28/89
 Inspector: MARK VOTH

ASBESTOS ASSESSMENT SURVEY

Building Number: 15
 Building Name: OLD KEG WASHING
 SEATTLE, WASHINGTON 98134
 Building Type: KEGGING
 Year Constructed: 1940

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 27%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
along north wall-at ceiling	00-356344	30%	wrapped cardboard/paper pipe	OMA	64 ft.	4 in. O.D.	DW	23	III	\$571	\$357	\$928
along south wall-at ceiling	00-356344	30%	wrapped cardboard/paper pipe	OMA	80 ft.	4 in. O.D.	DW	23	III	\$714	\$446	\$1,160
above keg line-along ceiling	00-356351	30%	pipe covering	OMA	143 ft.	4 in. O.D.	HPS/R	23	III	\$1,276	\$798	\$2,074
northwest stairwell-along ceiling	00-356351	30%	pipe covering	OMA	17 ft.	6 in. O.D.	HPS/R	23	III	\$221	\$138	\$359
near southeast corner-at keg line	00-356351	30%	pipe covering	OMA	44 ft.	4 in. O.D.	HPS/R	23	III	\$392	\$246	\$638
along north row of columns-at ceiling	00-356351	30%	pipe covering	OMA	63 ft.	4 in. O.D.	HPS/R	23	III	\$562	\$352	\$914
northwest corner-at ceiling	00-356351	30%	pipe covering	OMA	8 ft.	6 in. O.D.	HPS/R	23	III	\$104	\$65	\$169
near west wall-along ceiling	00-356351	30%	pipe covering	OMA	70 ft.	6 in. O.D.	HPS/R	23	III	\$909	\$568	\$1,477
along south wall-at ceiling	04-356345	40%	mjp on wrapped cardboard/paper	OMA	5 4 in.	O.D.	DW	23	III	\$140	\$78	\$218
along north wall-at ceiling	04-356345	40%	mjp on wrapped cardboard/paper	OMA	7 4 in.	O.D.	DW	23	III	\$197	\$109	\$306
	04-356346	40%						23	III			
	04-356347	40%						23	III			
northwest corner-at ceiling	05-356348	7%	mjp on non-suspect pipe cover	OMA	2 4 in.	O.D.	DW	23	III	\$56	\$31	\$87
near west wall-along ceiling	05-356348	7%	mjp on non-suspect pipe cover	OMA	3 4 in.	O.D.	DW	23	III	\$84	\$47	\$131
	05-356349	10%						23	III			
	05-356350	10%						23	III			
near southeast corner-at keg line	06-356352	3%	mjp on pipe covering	OMA	4 4 in.	O.D.	HPS/R	23	III	\$112	\$62	\$174
northwest corner-at ceiling	06-356352	3%	mjp on pipe covering	OMA	2 6 in.	O.D.	HPS/R	23	III	\$77	\$45	\$122
above keg line-along ceiling	06-356352	3%	mjp on pipe covering	OMA	14 4 in.	O.D.	HPS/R	23	III	\$393	\$219	\$612
above keg line-along ceiling	06-356352	3%	mjp on pipe covering	OMA	2 6 in.	O.D.	HPS/R	23	III	\$77	\$45	\$122
along north row of columns-at ceiling	06-356352	3%	mjp on pipe covering	OMA	2 4 in.	O.D.	HPS/R	23	III	\$56	\$31	\$87
near west wall-along ceiling	06-356352	3%	mjp on pipe covering	OMA	1 6 in.	O.D.	HPS/R	23	III	\$39	\$23	\$62
	06-356353	10%						23	III			
	06-356354	10%						23	III			

AREA COMMENTS

The materials are in good condition with minor contact and water damage. The materials are approximately 3' to 12' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 01 TOTAL \$5,980 \$3,660 \$9,640

*****	AREA NUMBER: 02	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 25%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
near S electrical panel-at heat exchange	00-356336	20%	pipe covering	OMA	17 ft.	4 in. O.D.	HPS/R	38	III	\$152	\$95	\$247
north wall-near stairs	00-356340	30%	wrapped cardboard/paper pipe	OMA	12 ft.	4 in. O.D.	DW	38	III	\$107	\$67	\$174
near S electrical panel-heat exchanger	01-356333	50%	boiler/tank insulation	OMB	193 sq.ft.			38	III	\$5,452	\$4,368	\$9,820

HALL-KIMBRELL ENVIRONMENTAL INC.

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RCLLC 0004168

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ASBESTOS ASSESSMENT SURVEY

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 SEATTLE, WASHINGTON 98134
 Building Type: KEGGING
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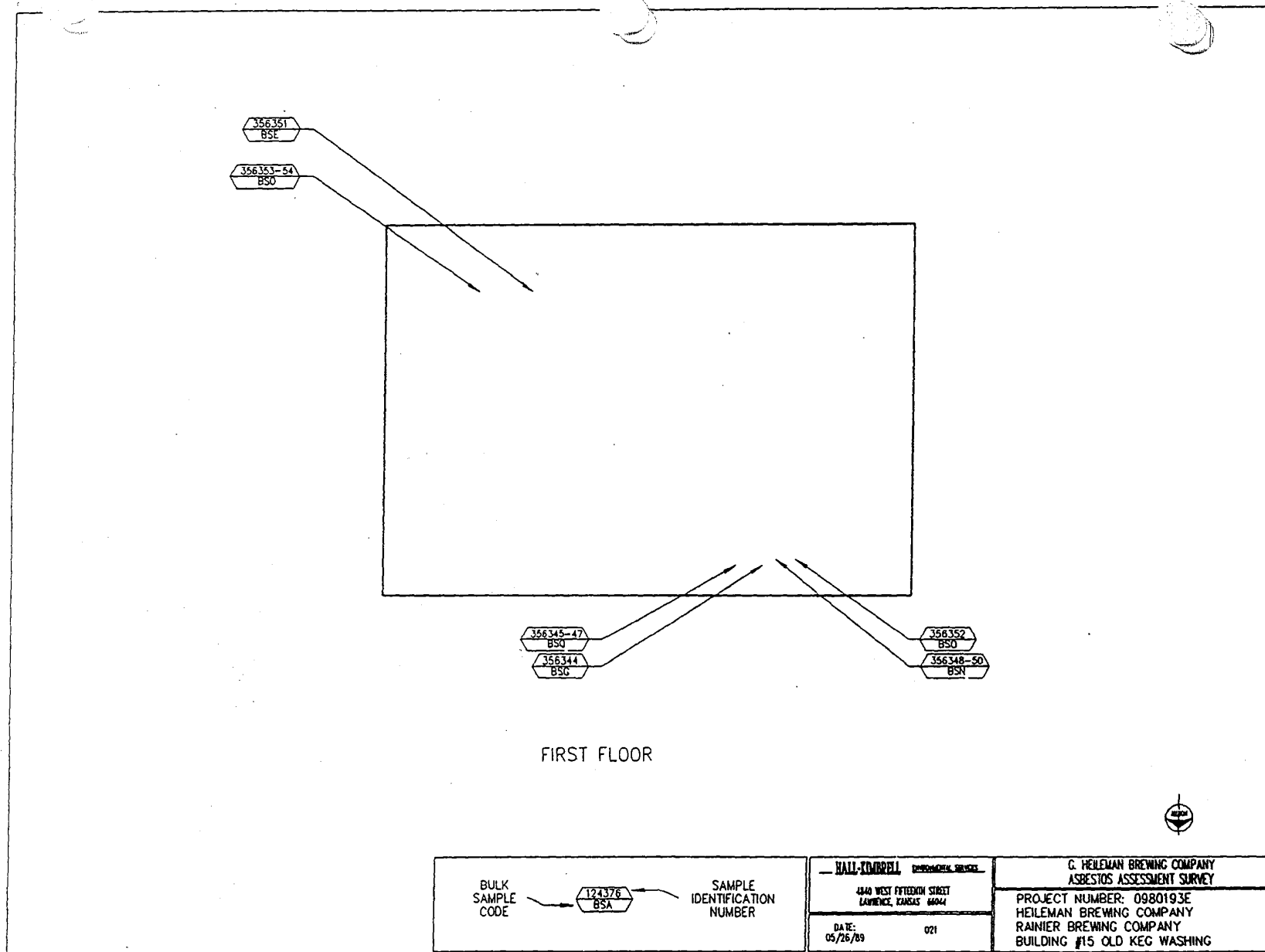
near S electrical panel-at heat exchange	01-356334	20%	mjp on pipe covering	OMA	2 4 in. O.D.	HPS/R	38 III	\$56	\$31	\$87
	01-356335	20%					38 III			
	02-356337	10%					38 III			
	02-356338	10%					38 III			
north wall-near stairs	02-356339	10%	mjp on wrapped cardboard/paper	OMA	3 4 in. O.D.	DW	38 III	\$84	\$47	\$131
	03-356341	30%					38 III			
	03-356342	40%					38 III			
	03-356343	40%					38 III			

AREA COMMENTS

The materials are in fair condition with minor contact and water damage. The materials are approximately 1' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a low traffic area.

AREA # 02 TOTAL \$5,851 \$4,608 \$10,459

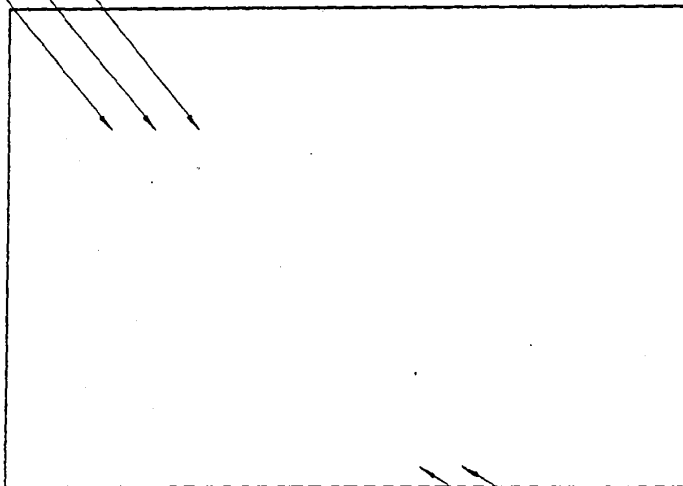
BUILDING # 15 TOTAL \$11,831 \$8,268 \$20,099



356337-39
BSO

356338
BSL

356333-35
BSL



356340
BSO

356341-43
BSO

SECOND FLOOR



BULK
SAMPLE
CODE

174376
BSA

SAMPLE
IDENTIFICATION
NUMBER

~~HALL-TOURBELL~~

ENVIRONMENTAL SERVICES

4840 WEST FIFTEENTH STREET
LAURENCE, KANSAS 66044

DATE:
05/26/89

022

G. HEILEMAN BREWING COMPANY
ASBESTOS ASSESSMENT SURVEY

PROJECT NUMBER: 0980193E
HEILEMAN BREWING COMPANY
RAINIER BREWING COMPANY
BUILDING #15 OLD KEG WASHING